

- C²
- (a) immunizing an animal with a polypeptide having the amino acid sequence of SEQ ID NO:1;
- (b) isolating an antibody from the animal; and
- (c) screening the isolated antibody for specific binding to an amino acid sequence of SEQ ID NO:1.
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40. (AMENDED) A monoclonal antibody produced by a method comprising:
- C³
- (a) immunizing an animal with a polypeptide having the amino acid sequence of SEQ ID NO:1;
- (b) isolating an antibody producing cell from the animal;
- (c) fusing the isolated cell with an immortalized cell to form a hybridoma cell;
- (d) culturing the hybridoma cell; and
- (e) isolating from the hybridoma cell culture a monoclonal antibody that specifically binds an amino acid sequence of SEQ ID NO:1.
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Please add new claims 57-59 as follows:

~~Rule 24~~ ⁵⁷ (NEW) The antibody of claim 11, wherein the antibody inhibits the transport of phosphate molecules by a polypeptide comprising the amino acid sequence of SEQ ID NO: 1.

C⁴ ⁵⁸ (NEW) The antibody of claim 11, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 1.

⁶⁰ ~~59~~ (NEW) The composition of claim 32, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 1.
